Index to Volume 37

1031 **Abdel-Rahman, A.-F. M.** Discussion on the Comment on Nature of Biotites in Alkaline, Calc-alkaline and Peraluminous Magmas
1063 **Alberts, A. D.,** *see* Wickham, S. M.
1175 **Andriessen, P. A. M.,** *see* Di Vincenzo, G.
1261 **Arndt, N.,** *see* Lahaye, Y.
45 Arnaud, N., *see* Turner, S.
317 **Baragar, W. R. A., Ernst, R. E., Hulbert, L. & Peterson, T.** Longitudinal Petrochemical Variation in the Mackenzie Dyke Swarm, Northwestern Canadian Shield
1579 **Barbey, P.,** *see* Vigneresse, J. L.
1341 **Baudin, P.,** *see* Coulon, C.
521 **Bea, F.** Residence of REE, Y, Th and U in Granites and Crustal Protoliths; Implications for the Geochemistry of Crustal Melts
999 **Beard, J. S.,** *see* Patiño Douce, A. E.
785 **Becker, H.** Crustal Trace Element ans Isotopic Signatures in Garnet Pyroxenites from Garnet Peridotite Massifs from Lower Austria
1321 **Bell, K. & Simonetti, A.** Carbonatite Magmatism and Plume Activity: Implications from Nd, Pb and Sr Isotope Systematics of Oldoinyo Lengai
693 **Bellon, H.,** *see* Sajona, F. G.
497 **Bernstein, S., Kelemen, P. B. & Kent Brooks, C.** Evolution of the Kap Edvard Holm Complex: a Mafic Intrusion at a Rifted Continental Margin
1063 **Bindeman, I. N.,** *see* Wickham, S. M.
583 **Boudreau, A. E.,** *see* Meurer, W. P.
1285 **Braun, I., Raith, M. & Kumar, R.** Dehydration–Melting Phenomena in Leptynitic Gneisses and the Generation of Leucogranites: a Case Study from the Kerala Khondalite Belt, Southern India
1097 **Buick, I. S. & Cartwright, I.** Fluid–Rock Interaction during Low-Pressure Polymetamorphism of the Reynolds Range Group, Central Australia
171 **Campbell, I. H.,** *see* Nielsen, F.M.
609 **Canil, D. & O'Neill, H. St. C.** Distribution of Ferric Iron in some Upper-Mantle Assemblages
837 **Carroll, M. R.,** *see* Toplis, M. J.
811 **Carroll, M.,** *see* Philpotts, A. R.
1097 **Cartwright, I.,** *see* Buick, I. S.
235 **Castro, A., Fernandez, C., De La Rosa, J. D., Moreno-Ventas, I. & Rogers, G.** Significance of MORB-derived Amphibolites from the Aracena Metamorphic Belt, Southwest Spain
449 **Chappell, B. W.** Magma Mixing and the Production of Compositional Variation within Granite Suites: Evidence from the Granites of Southeastern Australia
73 **Charoy, B. & Noronha, F.** Multistage Growth of a Rare-Element, Volatile-Rich Microgranite at Argemela (Portugal)
1153 **Clift, P. D. & Vroon, P. Z.** Isotopic Evolution of the Tonga Arc during Lau Basin Rifting; Evidence from the Volcaniclastic Record
145 **Collins, W. J.,** *see* Landenberger, B.
693 **Cotten, J.,** *see* Sajona, F. G.
1341 **Coulon, C., Vidal, P., Dupuy, C., Baudin, P., Popoff, M., Maluski, H. & Hermitte, D.** The Mesozoic to Early Cenozoic Magmatism of the Benue Trough (Nigeria); Geochemical Evidence for the Involvement of the St Helena Plume
1025 **Cuney, M.,** *see* Stussi, J. M.
1579 **Cuney, M.,** *see* Vigneresse, J. L.
415 **Davies, G. R.,** *see* Lee, D.-C.
235 **De La Rosa, J. D.,** *see* Castro, A.
693 **Defant, M.,** *see* Sajona, F. G.
45 **Deng, W.,** *see* Turner, S.
1175 **Di Vincenzo, G., Andriessen, P. A. M. & Ghezzo, C.** Evidence of Two Different Components in a Hercynian Peraluminous Cordierite-bearing Granite: the San Basilio Intrusion (Central Sardinia, Italy)
927 **Downes, H.,** *see* Mason, P. R. D.
961 **Duncan, R. A,** *see* Späth, A.
361 **Duncan, R. A.,** *see* Tejada, M. L. G.
1547 **Dungan, M. A.,** *see* Feeley, T. C.
1341 **Dupuy, C.,** *see* Coulon, C.
1385 **Elburg, M. A.** Genetic Significance of Multiple Enclave Types in a Peraluminous Ignimbrite Suite, Lachlan Fold Belt, Australia
317 **Ernst, R. E.,** *see* Baragar, W. R. A.
415 **Essene, E. J.,** *see* Lee, D.-C.
1547 **Feeley, T. C. & Dungan, M. A.** Compositional and Dynamic Controls on Mafic–Silicic Magma Interactions at Continental Arc Volcanoes: Evidence from Cordón El Guadal, Tatara–San Pedro Complex, Chile

201 **Feenstra, A.** An EMP and TEM–AEM Study of Margarite, Muscovite and Paragonite in Polymetamorphic Metabauxites of Naxos (Cyclades, Greece) and the Implications of Fine-scale Mica Interlayering and Multiple Mica Generations
235 **Fernandez, C.,** *see* Castro, A.
415 **Fitton, J. G.,** *see* Lee, D.-C.
395 **Fitzsimons, I. C. W.** Metapelitic Migmatites from Brattstrand Bluffs, East Antarctica–Metamorphism, Melting and Exhumation of the Mid Crust
767 **Fransolet, A.-M.,** *see* Theye, T.
637 **Frost, C. D.,** *see* Mitchell, J. N.
859 **Fry, N.,** *see* O'Hara, M. J.
891 **Fry, N.,** *see* O'Hara, M. J.
1523 **Gamble, J., Woodhead, J., Wright, I. & Smith, I.** Basalt and Sediment Geochemistry and Magma Petrogenesis in a Transect from Oceanic Island Arc to Rifted Continental Margin Arc: the Kermadec–Hikurangi Margin, SW Pacific
1207 **García-Casco, A. & Torres-Roldán, R. L.** Disequilibrium Induced by Fast Decompression in St–Bt–Grt–Ky–Sil–And Metapelites from the Betic Belt (Southern Spain)
1463 **Gariépy, C.,** *see* Whalen, J. B.
1175 **Ghezzo, C.,** *see* Di Vincenzo, G.
293 **Grapes, R. & Palmer, K.** (Ruby–Sapphire)–Chromian–Mica–Tourmaline Rocks from Westland, New Zealand
415 **Halliday, A. N.,** *see* Lee, D.-C.
95 **Harmon, R. S.,** *see* Johnson, K.E.
45 **Harris, N.,** *see* Turner, S.
45 **Hawkesworth, G.,** *see* Turner, S.
361 **Hawkins, M. P.,** *see* Tejada, M. L. G.
1341 **Hermitte, D.,** *see* Coulon, C.
811 **Hill, J. M.,** *see* Philpotts, A. R.
1241 **Hovis, G. L.,** *see* Roux, J.
1359 **Huhma, H.,** *see* Peltonen, P.
317 **Hulbert, L.,** *see* W. R. A.
553 **Ijewliw, O. J.,** *see* St-Onge, M. R.
1463 **Jenner, G. A.,** *see* Whalen, J. B.
95 **Johnson, K. E., Harmon, R. S., Richardson, J. M., Moorbath, S. & Strong, D. F.** Isotope and Trace Element Geochemistry of Augustine Volcano, Alaska: Implications for Magmatic Evolution
661 **Johnston, A. D.,** *see* Skjerlie, K. P.
497 **Keleman, P. B.,** *see* Bernstein, S.
45 **Kelley, S.,** *see* Turner, S.
497 **Kent Brooks, C.,** *see* Bernstein, S.
637 **Kolker, A.,** *see* Mitchell, J. N.
1359 **Kontinen, A.,** *see* Peltonen, P.
1285 **Kumar, R.,** *see* Braun, I.
1261 **Lahaye, Y. & Ardnt, N.** Alteration of a Komatiite Flow from Alexo, Ontario, Canada
145 **Landenberger, B. & Collins, W. J.** Derivation of A-type Granites from a Dehydrated Charnockitic Lower Crust: Evidence from the Chaelundi Complex, Eastern Australia
961 **Le Roux, A. P.,** *see* Späth, A.
415 **Lee, D.-C., Halliday, A. N., Davies, G. R., Essene, E. J., Fitton, J. G. & Temdjim, R.** Melt Enrichment of Shallow Depleted Mantle: a Detailed Petrological, Trace Element and Isotopic Study of mantle-Derived Xenoliths and Megacrysts from the Cameroon Line
1437 **Lee, I. & Ripley, E. M.** Mineralogic and Oxygen Isotopic Studies of Open System Magmatic Processes in the South Kawishiwi Intrusion, Spruce Road Area, Duluth Complex, Minnesota
1125 **Lee, W.-J. & Wyllie, P. J.** Liquid Immiscibility in the Join $NaAlSi_3O_8$–$CaCO_3$ to 2·5 GPa and the Origin of Calciocarbonatite Magmas
3 **Li, Z.,** *see* Zhou, M.-F.
1063 **Litvinovsky, B. A.,** *see* Wickham, S. M.
45 **Liu, J.,** *see* Turner, S.
1463 **Longstaffe, F. J.,** *see* Whalen, J. B.
927 **Lowry, D.,** *see* Mason, P. R. D.
117 **MacPherson, C.,** *see* Smith, T.E.
361 **Mahoney, J. J.,** *see* Tejada, M. L. G.
3 **Malpas, J.,** *see* Zhou, M.-F.
1341 **Maluski, H.,** *see* Coulon, C.
927 **Mason, P. R. D., Downes, H., Thirlwall, M. F., Seghedi, I., Szakács, A., Lowry, D. & Mattey, D.** Crustal Assimilation as a Major Petrogenetic Process in the East Carpatian Neogene and Quaternary Continental Margin Arc, Romania
927 **Mattey, D.,** *see* Mason, P. R. D.
693 **Maury, R. C.,** *see* Sajona, F. G.
171 **McCulloch, M.,** *see* Nielsen, F. M.
583 **Meurer, W. P. & Boudreau, A. E.** Petrology and Mineral Compositions of the Middle Banded Series of the Stillwater Complex, Montana

637 **Mitchell, J. N., Scoates, J. S., Frost, C. D. & Kolker, A.** The Geochemical Evolution of Anorthosite Residual Magmas in the Laramie Anorthosite Complex, Wyoming
95 **Moorbath, S.,** *see* Johnson, K. E.
235 **Moreno-Ventas, I.,** *see* Castro, A.
1037 **Morse, S. A.** Kiglapait Mineralogy III: Olivine Compositions and Rayleigh Fractionation Models
1307 **Nakamura, E.,** *see* Tamura, Y.
261 **Nelson, B. K.,** *see* Reiners, P. W.
261 **Nelson, S. W.,** *see* Reiners, P. W.
171 **Nielsen, F. M., Campbell, I. H., McCulloch, M. & Wilson, J. R.** A Strontium Isotopic Investigation of the Bjerkreim–Sokndal Layered Intrusion, Southwest Norway
73 **Noronha, F.,** *see* Charoy, B.
891 **O'Hara, M. J. & Fry, N.** Geochemical Effects of Small Packet Crystallization in Large Magma Chambers–Further Resolution of the Highly Compatible Element Paradox
859 **O'Hara, M. J. & Fry, N.** The Highly Compatible Trace Element Paradox–Fractional Crystallization Revisited
609 **O'Neill, H. St. C.,** *see* Canil, D.
293 **Palmer, K.,** *see* Grapes, R.
733 **Parrish, R. R.,** *see* Spear, F. S.
999 **Patiño Douce, A. E. & Beard, J. S.** Effects of P, f(O_2) and Mg/Fe Ratio on Dehydration Melting of Model Metagreywackes
1359 **Peltonen, P., Kontinen, A. & Huhma, H.** Petrology and Geochemistry of Metabasalts from the 1·95 Ga Jormua Ophiolite, Northeastern Finland
317 **Peterson, T.,** *see* Baragar, W. R. A.
811 **Philpotts, A. R., Carroll, M. & Hill, J. M.** Crystal-Mush Compaction and the Origin of Pegmatitic Segregation Sheets in a Thick Flood-Basalt Flow in the Mesozoic Hartford Basin, Connecticut
1341 **Popoff, M.,** *see* Coulon, C.
1285 **Raith, M.,** *see* Braun, I.
261 **Reiners, P. W., Nelson, B. K. & Nelson, S. W.** Evidence for Multiple Mechanisms of Crustal Contamination of Magma from Compositionally Zoned Plutons and Associated Ultramafic Intrusions of the Alaska Range
95 **Richardson, J. M.,** *see* Johnson, K.E.
1437 **Ripley, E. M.,** *see* Lee, I.
1463 **Robert, F.,** *see* Whalen, J. B.
3 **Robinson, P. T.,** *see* Zhou, M.-F.
235 **Rogers, G.,** *see* Castro, A.
45 **Rogers, N.,** *see* Turner, S.
1241 **Roux, J. & Hovis, G. L.** Thermodynamic Mixing Models for Muscovite–Paragonite Solutions Based on Solution Calorimetric and Phase Equilibrium Data
693 **Sajona, F. G., Maury, R. C., Bellon, H., Cotten, J. & Defant, M.** High Field Strength Element Enrichment of Pliocene–Pleistocene Island Arc Basalts, Zamboanga Peninsula, Western Mindanao (Philippines)
1063 **Schauble, E.,** *see* Wickham, S. M.
767 **Schreyer, W.,** *see* Theye, T.
637 **Scoates, J. S.,** *see* Mitchell, J. N.
927 **Seghedi, I.,** *see* Mason, P. R. D.
1321 **Simonetti, A.,** *see* Bell, K.
661 **Skjerlie, K. P. & Johnston, A. D.** Vapour-Absent Melting from 10 to 20 kbar of Crustal Rocks that Contain Multiple Hydrous Phases: Implications for Anatexis in the Deep to Very Deep Continental Crust and Active Continental Margins
1523 **Smith, I.,** *see* Gamble, J.
117 **Smith, T. E., Thirlwall, M. F. & MacPherson, C.** Trace Element and Isotope Geochemistry of the Volcanic Rocks of Bequia, Grenadine Islands, Lesser Antilles Arc: a Study of Subduction Enrichment and Intra-crustal Contamination
961 **Späth, A., Le Roux, A. P. & Duncan, R. A.** The Geochemistry of lavas from the Comores Archipelago, Western Indian Ocean: Petrogenesis and Mantle Source Region Characteristics
733 **Spear, F. S. & Parrish, R. R.** Petrology and Cooling Rates of the Valhalla Complex, British Columbia, Canada
553 **St-Onge, M. R. & Ijewliw, O. J.** Mineral Corona Formation During High-P Retrogression of Granulitic Rocks, Ungava Oregen, Canada
95 **Strong, D. F.,** *see* Johnson, K.E.
1025 **Stussi, J. M. & Cuney, M.** Nature of Biotites from Alkaline Calc-alkaline and Peraluminous Magmas by Abdel-Fattah M. Abdel-Rahman: A Comment
927 **Szakács, A.,** *see* Mason, P. R. D.
1307 **Tamura, Y. & Nakamura, E.** The Arc Lavas of the Shirahama Group, Japan: Sr and Nd Isotopic data Indicate Mantle-Derived Bimodal Magmatism
361 **Tejada, M. L. G., Mahoney, J. J., Duncan, R. A. & Hawkins, M. P.** Age and Geochemistry of Basement and Alkalic Rocks of Malaita and Santa Isabel, Solomon Islands, Southern Margin of Ontong Java Plateau
415 **Temdjim, R.,** *see* Lee, D.-C.
1409 **Tepper, J. H.** Petrology of Mafic Plutons Associated with Calc-Alkaline Granitoids, Chilliwack Batholith, North Cascades, Washington
767 **Theye, T., Schreyer, W. & Fransolet, A.-M.** Low-Temperature, Low-Pressure Metamorphism of Mn-rich Rocks in the Lienne Syncline, Venn–Stavelot Massif (Belgian Ardennes), and the Role of Carpholite

927 **Thirlwall, M. F.,** *see* Mason, P. R. D.
117 **Thirlwall, M. F.,** *see* Smith, T.E.
837 **Toplis, M. J. & Carroll, M. R.** Differentiation of Ferro-Basaltic Magmas under Conditions Open and Closed to Oxygen: Implications for Skaergaard Intrusion and Other Natural Systems
1207 **Torres-Roldán, R. L.,** *see* García-Casco, A.
45 **Turner, S., Arnaud, N., Liu, J., Rogers, N., Hawkesworth, G., Harris, N., Kelley, S., Van Calsteren, P. & Deng, W.** Post-collision, Shoshonitic Volcanism on the Tibetan Plateau: Implications for Convective Thinning of the Lithosphere and the Source of Ocean Island Basalts
45 **Van Calsteren, P.,** *see* Turner, S.
23 **Van Der Wal, D. & Vissers, R. L. M.** Structural Petrology of the Ronda Peridotite, SW Spain: Deformation History
1341 **Vidal, P.,** *see* Coulon, C.
1579 **Vigneresse, J. L., Barbey, P. & Cuney, M.** Rheological Transitions During Partial Melting and Crystallization with Application to Felsic Magma Segregation and Transfer
23 **Vissers, R. L. M.,** *see* Van Der Wal
1153 **Vroon, P. Z.,** *see* Clift, P. D.
1463 **Whalen, J. B., Jenner, G. A., Longstaffe, F. J., Robert, F. & Gariépy, C.** Geochemical and Isotopic (O, Nd, Pb and Sr) Constraints on A-type Granite Petrogenesis Based on the Topsails Igneous Suite, Newfoundland Appalachians
1063 **Wickham, S. M., Alberts, A. D., Zanvilevich, A. N., Litvinovsky, B. A., Bindeman, I. N. & Schauble, E. A. A** Stable Isotope Study of Anorogenic Magmatism in East Central Asia
171 **Wilson, J. R.,** *see* Nielsen, F.M.
1523 **Woodhead, J.,** *see* Gamble, J.
1523 **Wright, I.,** *see* I. Gamble, J.
1125 **Wyllie, P. J.,** *see* Lee, W.-J.
1063 **Zanvilevich, A. N.,** *see* Wickham, S. M.
3 **Zhou, M.-F., Robinson, P. T., Malpas, J. & Li, Z.** Podiform Chromitites in the Luobusa Ophiolite (Southern Tibet): Implications for Melt–Rock Interaction and Chromite Segregation in the Upper Mantle
471 **Zingg, A. J.** Immiscibility in Ca-amphiboles